



2000 Annual Users' Meeting Workshop Agenda

Workshop 1: Environmental and Geological Sciences

Monday, May 22 - 9:00 am to 4:30 pm
Berkner Hall

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| 9:00 am | Uranium Speciation by EXAFS: Implications for Environmental Restoration
Cleveland Dodge - Brookhaven National Laboratory
Department of Applied Science |
| 9:45 am | Examination of Plutonium Sorption Behavior on Tuff with XAS and XRF Techniques: Importance of Fracture Fill Minerals
Martine Duff - Savannah River Ecology Laboratory |
| 10:30 am | B R E A K |
| 11:00 am | XAFS and micro-XAS Studies of Uranyl Uptake by Carbonate Minerals
Richard Reeder - SUNY at Stony Brook |
| 11:45 am | Probing Mn redox Processes in Microbially Reduced Soil using Micro-XANES and XRF Spectroscopies
Darrell Schulze - Purdue University |
| 12:30 pm | L U N C H |
| 1:30 pm | X-ray Absorption Studies of Mercury Chemistry in the Environment: The Association of Mercury and Methylmercury with Humic Acids
William Beam - University of Wisconsin |
| 2:15 pm | Biogeochemistry at Nanoscales: Soft X-ray Microscopy and Microbial Degradation of Plant Vascular Structure
George Cody - Carnegie Institute of Washington |

3:00 pm **B R E A K**
3:30 **Nanoscale Analysis of Microbial Remediation and Degradation
of Lignocellulosics in Forestry**
Barbara Illman - University of Wisconsin

4:30 pm **Adjourn**

**Presentations are 30-35 minutes with 10-15 minutes for questions
and discussions.**

5:30 - 8:00 pm **Welcoming Reception, Berkner Hall**
~ Equipment Exhibit, Poster Session and Contest
~ Hot & Cold Hors d'oeuvres - Open Wine, Beer and Soda Bar
~ Live music provided by "Swinging Moose"

8:00 pm **Registration Desk, Equipment Exhibit and Reception
Closes**

Workshop Organizers: Barbara Illman, University of Wisconsin/USFDA, Madison, WI, e-mail:
billman@facstaff.wisc.edu and Sue Wirick, SUNY at Stony Brook, c/o BNL, NSLS Department, e-mail:
swirick@bnl.gov.